

WHAT IS CLAIMED IS:

1. A pneumatically operated nail gun comprising:

a main housing defining therein a compressed air chamber and having a lower end;

5 a cylinder disposed in the main housing;

a piston slidably movable in the cylinder between its upper dead center and a lower dead center and dividing the cylinder space into an upper cylinder space and a lower cylinder space;

10 a driver blade extending from the piston in the lower cylinder space and protrudable from the lower end of the main housing for striking against a head of the nail in accordance with the movement of the piston toward its lower dead center by compressed air fed from the compressed air
15 chamber to the upper cylinder space;

a plurality of ribs protruding from the cylinder radially outwardly and spaced away from each other in a circumferential direction of the cylinder, each rib having a seat portion;

20 a force receiving section positioned in confrontation with and downstream of the seat portion in a moving stroke of the piston toward its upper dead center; and

a damper member interposed between the seat portion and the force receiving section.

25 2. The pneumatically operated nail gun as claimed in

claim 1, wherein the cylinder has a lower portion provided with a conical section whose inner and outer diameters are gradually increased toward the lower dead center of the piston; and the nail gun further comprising;

5 a piston bumper disposed at the lower portion and having a configuration in conformance with the conical section.

3. The nail gun as claimed in claim 2, further comprising an endless metal washer member seated on each seat portion of each rib, the damper member being mounted on the
10 endless metal washer.

4. The nail gun as claimed in claim 1, further comprising an exhaust cover fixed to a top end of the main housing, and a separator mechanically interconnecting the exhaust cover to the main housing; a combination of a part
15 of the main housing and a part of the separator defining the force receiving section.

5. The nail gun as claimed in claim 4, wherein at least one of an inner space and an outer space is provided, the inner space being defined by an inner peripheral surface
20 of the damper ring and each rib, and the outer space being defined by an outer peripheral surface of the damper ring and the part of the main housing.

6. The nail gun as claimed in claim 1, wherein the damper ring is made from a rubber.

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